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INTRODUCTION

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APPENDIX AK

silane (silicon tetrahydride). SiH_4 .
Properties: A gas with repulsive odor. Solidifies at about -200°C , b.p. -112°C ; decomp. in water; insoluble in alcohol and benzene. Sp. gr. 0.68.
Hazard: Toxic; strong irritant to tissue. Dangerous fire risk; ignites spontaneously in air. Tolerance, 0.5 ppm in air.
Use: Doping agent for solid-state devices; production of amorphous silicon.
Shipping regulations: (Air) Not acceptable.

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